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OM protein - protein search, using sw model

Run on: June 25, 2003, 14:55:36 ; Search time 17.4806 Seconds
(without alignments)
680.911 Million cell updates/sec

Title: US-09-622-613B-24

Perfect score: 601
Sequence: 1 SNAWTFQOKHIINTPIICNT.....ICVCKENQYVHFAGIGRCP 110

Scoring table: ELOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 417779 seqs, 108206813 residues

Total number of hits satisfying chosen parameters: 417779

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published_Applications_AA.*

1: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
7: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
11: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
12: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
13: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
14: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	601	100.0	110	9	US-09-948-391A-24 Sequence 24, Appl
2	601	100.0	111	9	US-09-948-391A-26 Sequence 26, Appl
3	597	99.3	110	9	US-09-948-391A-15 Sequence 15, Appl
4	591	98.3	111	9	US-09-948-391A-17 Sequence 17, Appl
5	591	98.3	111	9	US-09-948-391A-21 Sequence 21, Appl
6	591	98.3	111	9	US-09-948-391A-22 Sequence 22, Appl
7	585	97.3	110	9	US-09-948-391A-19 Sequence 19, Appl
8	280.5	46.7	104	9	US-09-948-391A-11 Sequence 11, Appl
9	280.5	46.7	105	9	US-09-948-391A-13 Sequence 13, Appl
10	276.5	46.0	105	9	US-09-948-391A-6 Sequence 6, Appl
11	276.5	46.0	127	9	US-09-948-391A-28 Sequence 28, Appl
12	275.5	45.8	104	9	US-09-948-391A-2 Sequence 2, Appl
13	272.5	45.3	104	9	US-09-986-119-1 Sequence 1, Appl
14	272.5	45.3	105	9	US-10-153-882-2 Sequence 2, Appl
15	270.5	45.0	104	9	US-09-948-391A-4 Sequence 4, Appl
16	261.5	43.5	105	9	US-09-948-391A-8 Sequence 8, Appl
17	261.5	43.5	111	9	US-09-948-391A-9 Sequence 9, Appl
18	206	34.3	83	9	US-09-986-119-3 Sequence 3, Appl
19	158	26.3	169	12	US-10-016-447-2 Sequence 2, Appl

20	117	19.5	147	10	US-09-731-872-254 Sequence 254, App
21	114.5	19.1	124	9	US-09-981-286A-8 Sequence 8, Appl
22	114	19.0	124	12	US-10-016-447-5 Sequence 5, Appl
23	113	18.8	131	12	US-10-016-447-6 Sequence 6, Appl
24	113	18.8	147	10	US-09-286-240-6 Sequence 2, Appl
25	113	18.8	147	10	US-09-863-777-2 Sequence 2, Appl
26	92	15.3	161	9	US-10-001-876-197 Sequence 197, App
27	79	13.1	77	9	US-09-925-299-836 Sequence 836, App
28	79	13.1	77	10	US-09-925-299-836 Sequence 836, App
29	79	13.1	156	9	US-09-796-753-102 Sequence 102, App
30	79	13.1	156	9	US-09-796-753-118 Sequence 118, App
31	79	13.1	156	9	US-10-245-103-60 Sequence 60, Appl
32	79	13.1	156	9	US-10-245-107-60 Sequence 60, Appl
33	79	13.1	156	9	US-10-245-143-60 Sequence 60, Appl
34	79	13.1	156	9	US-10-245-171-60 Sequence 60, Appl
35	79	13.1	156	9	US-10-245-851-60 Sequence 60, Appl
36	79	13.1	156	9	US-10-245-883-60 Sequence 60, Appl
37	79	13.1	156	9	US-10-237-535-60 Sequence 60, Appl
38	79	13.1	156	9	US-10-238-183-60 Sequence 60, Appl
39	79	13.1	156	9	US-10-238-283-60 Sequence 60, Appl
40	79	13.1	156	9	US-10-238-370-60 Sequence 60, Appl
41	79	13.1	156	9	US-10-245-055-60 Sequence 60, Appl
42	79	13.1	156	9	US-10-245-147-60 Sequence 60, Appl
43	79	13.1	156	9	US-10-245-730-60 Sequence 60, Appl
44	79	13.1	156	9	US-10-245-739-60 Sequence 60, Appl
45	79	13.1	156	9	US-10-246-210-60 Sequence 60, Appl

ALIGNMENTS

RESULT 1

US-09-948-391A-24
Sequence 24, Application US/09948391A

Publication No. US20030027311A1

GENERAL INFORMATION:

APPLICANT: Rybak, Susanna M.

APPLICANT: Newton, Diane L.

APPLICANT: The United States of America

APPLICANT: as represented by The Secretary of the

Department of Health and Human Services

TITLE OF INVENTION: Recombinant Anti-Tumor RNase

FILE REFERENCE: 015280-343110US

CURRENT APPLICATION NUMBER: US/09/948,391A

CURRENT FILING DATE: 2002-05-10

PRIOR APPLICATION NUMBER: US 60/079,751

PRIOR FILING DATE: 1998-03-27

PRIOR APPLICATION NUMBER: WO PCT/US99/06641

PRIOR FILING DATE: 1999-03-26

PRIOR APPLICATION NUMBER: US 09/622,613

PRIOR FILING DATE: 2000-08-17

NUMBER OF SEQ ID NOS: 43

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 24

LENGTH: 110

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence:Rana

OTHER INFORMATION: catesdeliana ribonuclease with Glu1ser substitution

OTHER INFORMATION: (recombinant RacOR1 Q1S)

US-09-948-391A-24

Query Match

Best Local Similarity 100.0%; Score 601; DB 9; Length 110;

Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SNAWTFQOKHIINTPIICNTIMDNINIIYGCGCKRNVFISSATTVKATCGVIMNVL 60

DB 1 SNAWTFQOKHIINTPIICNTIMDNINIIYGCGCKRNVFISSATTVKATCGVIMNVL 60

QY 61 STTRFOLNCTRTSTTRPCPYSSRTETNYICVCKENQYVHFAGIGRCP 110

APPLICANT: as represented by The Secretary of the
APPLICANT: Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 21
LENGTH: 111
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana
OTHER INFORMATION: catesbeiana ribonuclease with Met at position 1,
OTHER INFORMATION: Met23Leu and Met58Leu substitutions (recombinant
OTHER INFORMATION: Met(-1) RacOR1 Met22Leu Met57Leu)
US-09-948-391A-21

Query Match 98.3%; Score 591; DB 9; Length 111;
Best Local Similarity 98.2%; Pred. No. 1,5e-58;
Matches 107; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

OY 2 NMAFPOOKHINTPILICNTIMDNNIYVGGCKRVNFISSATTVKAITGVINNVLS 61
DB 3 NMAFPOOKHINTPILICNTIMDNNIYVGGCKRVNFISSATTVKAITGVINNVLS 62
OY 62 TTRFOLNCTRTSITPRPCPYSSRTETNYICVKCENQPVHFGIGRCP 110
DB 63 TTRFOLNCTRTSITPRPCPYSSRTETNYICVKCENQPVHFGIGRCP 111

RESULT 6
US-09-948-391A-22

Sequence 22, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 22
LENGTH: 117
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana
OTHER INFORMATION: catesbeiana ribonuclease with (His)6 tag, Met at
OTHER INFORMATION: position 7, Met23Leu and Met58Leu substitutions
OTHER INFORMATION: (recombinant Met(-1) RacOR1 Met22Leu Met57Leu (His)6)
US-09-948-391A-22

Query Match 98.3%; Score 591; DB 9; Length 117;
Best Local Similarity 98.2%; Pred. No. 1,6e-58;

Matches 107; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

OY 2 NMAFPOOKHINTPILICNTIMDNNIYVGGCKRVNFISSATTVKAITGVINNVLS 61
DB 9 NMAFPOOKHINTPILICNTIMDNNIYVGGCKRVNFISSATTVKAITGVINNVLS 68
OY 62 TTRFOLNCTRTSITPRPCPYSSRTETNYICVKCENQPVHFGIGRCP 110
DB 69 TTRFOLNCTRTSITPRPCPYSSRTETNYICVKCENQPVHFGIGRCP 117

RESULT 7
US-09-948-391A-19

Sequence 19, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 19
LENGTH: 110
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana
OTHER INFORMATION: catesbeiana ribonuclease with Met22Leu and
OTHER INFORMATION: Met57Leu substitutions (recombinant RacOR1
OTHER INFORMATION: Met22Leu Met57Leu)
US-09-948-391A-19

Query Match 97.3%; Score 585; DB 9; Length 110;
Best Local Similarity 97.2%; Pred. No. 6,9e-58;
Matches 106; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 2 NMAFPOOKHINTPILICNTIMDNNIYVGGCKRVNFISSATTVKAITGVINNVLS 61
DB 2 NMAFPOOKHINTPILICNTIMDNNIYVGGCKRVNFISSATTVKAITGVINNVLS 61
OY 62 TTRFOLNCTRTSITPRPCPYSSRTETNYICVKCENQPVHFGIGRCP 110
DB 62 TTRFOLNCTRTSITPRPCPYSSRTETNYICVKCENQPVHFGIGRCP 110

RESULT 8
US-09-948-391A-11

Sequence 11, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27

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: PRIOR APPLICATION NUMBER: WO PCT/US99/06641
: PRIOR FILING DATE: 1999-03-26
: PRIOR APPLICATION NUMBER: US 09/622,613
: PRIOR FILING DATE: 2000-08-17
: NUMBER OF SEQ ID NOS: 43
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 11
: LENGTH: 104
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
: OTHER INFORMATION: ribonuclease with Met at position 1 and Glu2Ser
: OTHER INFORMATION: (recombinant RapLRI Q1S)
US-09-948-391A-11

Query Match
Best Local Similarity 46.7%; Score 280.5; DB 9; Length 104;
Matches 55; Conservative 15; Mismatches 32; Indels 9; Gaps 4;

OY 1 SNNATFOOKHIINT-PIICNTIMDNMIYIVGCGCKRVNFIISATTVAICTGVI-NMN 58
D 1 SDMLTFQKKHLLTNRDVCNNIMSTNLF---HCKDKNFTIYSRPEPVKAICKGIIASKN 56
OY 59 VLTSTFQOLNCTRTSTITPSPCPYSSRTETNYICVGCENQYPVHFGIGRC 109
D 57 VLTSEFYLSDC---NVTSRPCKYKLLKSTNFTFCVGCENQAPVHFGVGHIC 104

RESULT 9
US-09-948-391A-13
: Sequence 13, Application US/09948391A
: Publication No. US20030027311A1
: GENERAL INFORMATION:
: APPLICANT: Rybak, Susanna M.
: APPLICANT: Newton, Dianne L.
: APPLICANT: The United States of America
: APPLICANT: as represented by The Secretary of the
: TITLE OF INVENTION: Recombinant Anti-Tumor RNase
: FILE REFERENCE: 015280-343110US
: CURRENT APPLICATION NUMBER: US/09/948,391A
: PRIOR FILING DATE: 2002-05-10
: PRIOR APPLICATION NUMBER: US 60/079,751
: PRIOR FILING DATE: 1998-03-27
: PRIOR APPLICATION NUMBER: WO PCT/US99/06641
: PRIOR FILING DATE: 1999-03-26
: PRIOR APPLICATION NUMBER: US 09/622,613
: PRIOR FILING DATE: 2000-08-17
: NUMBER OF SEQ ID NOS: 43
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 13
: LENGTH: 105
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
: OTHER INFORMATION: ribonuclease with Met at position 1 and Glu2Ser
: OTHER INFORMATION: substitution (recombinant Met(-1) RapLRI Q1S)
US-09-948-391A-13

Query Match
Best Local Similarity 46.7%; Score 280.5; DB 9; Length 105;
Matches 55; Conservative 15; Mismatches 32; Indels 9; Gaps 4;

OY 1 SNNATFOOKHIINT-PIICNTIMDNMIYIVGCGCKRVNFIISATTVAICTGVI-NMN 58
D 2 SDMLTFQKKHLLTNRDVCNNIMSTNLF---HCKDKNFTIYSRPEPVKAICKGIIASKN 57
OY 59 VLTSTFQOLNCTRTSTITPSPCPYSSRTETNYICVGCENQYPVHFGIGRC 109
D 58 VLTSEFYLSDC---NVTSRPCKYKLLKSTNFTFCVGCENQAPVHFGVGHIC 105
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RESULT 10
US-09-948-391A-6
: Sequence 6, Application US/09948391A
: Publication No. US20030027311A1
: GENERAL INFORMATION:
: APPLICANT: Rybak, Susanna M.
: APPLICANT: Newton, Dianne L.
: APPLICANT: The United States of America
: APPLICANT: as represented by The Secretary of the
: TITLE OF INVENTION: Recombinant Anti-Tumor RNase
: FILE REFERENCE: 015280-343110US
: CURRENT APPLICATION NUMBER: US/09/948,391A
: PRIOR FILING DATE: 2002-05-10
: PRIOR APPLICATION NUMBER: US 60/079,751
: PRIOR FILING DATE: 1998-03-27
: PRIOR APPLICATION NUMBER: WO PCT/US99/06641
: PRIOR FILING DATE: 1999-03-26
: PRIOR APPLICATION NUMBER: US 09/622,613
: PRIOR FILING DATE: 2000-08-17
: NUMBER OF SEQ ID NOS: 43
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 6
: LENGTH: 105
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
: OTHER INFORMATION: ribonuclease with Met at position 1 (recombinant
US-09-948-391A-6

Query Match
Best Local Similarity 46.0%; Score 276.5; DB 9; Length 105;
Matches 54; Conservative 15; Mismatches 32; Indels 9; Gaps 4;

OY 2 NNATFOOKHIINT-PIICNTIMDNMIYIVGCGCKRVNFIISATTVAICTGVI-NMN 59
D 3 DWLTFQKKHLLTNRDVCNNIMSTNLF---HCKDKNFTIYSRPEPVKAICKGIIASKN 58
OY 60 LSTTRFQOLNCTRTSTITPSPCPYSSRTETNYICVGCENQYPVHFGIGRC 109
D 59 LTTSEFYLSDC---NVTSRPCKYKLLKSTNFTFCVGCENQAPVHFGVGHIC 105

RESULT 11
US-09-948-391A-28
: Sequence 28, Application US/09948391A
: Publication No. US20030027311A1
: GENERAL INFORMATION:
: APPLICANT: Rybak, Susanna M.
: APPLICANT: Newton, Dianne L.
: APPLICANT: The United States of America
: APPLICANT: as represented by The Secretary of the
: TITLE OF INVENTION: Recombinant Anti-Tumor RNase
: FILE REFERENCE: 015280-343110US
: CURRENT APPLICATION NUMBER: US/09/948,391A
: PRIOR FILING DATE: 2002-05-10
: PRIOR APPLICATION NUMBER: US 60/079,751
: PRIOR FILING DATE: 1998-03-27
: PRIOR APPLICATION NUMBER: WO PCT/US99/06641
: PRIOR FILING DATE: 1999-03-26
: PRIOR APPLICATION NUMBER: US 09/622,613
: PRIOR FILING DATE: 2000-08-17
: NUMBER OF SEQ ID NOS: 43
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 28
: LENGTH: 127
: TYPE: PRT
: ORGANISM: Rana pipiens
: FEATURE:
```

OTHER INFORMATION: Rana pipiens ribonuclease (RaplR1) Clone 5a1b cDNA
OTHER INFORMATION: insert
US-09-948-391A-28

Query Match 46.0%; Score 276.5; DB 9; Length 127;
Best Local Similarity 49.1%; Pred. No. 2.1e-23;
Matches 54; Conservative 15; Mismatches 32; Indels 9; Gaps 4;

QY 2 NWATFOCKHINT-PIICNTIMDNINIIYVGQCKRVNFTFISSATVYKAITGVY-NMNV 59
DB 25 DMLTFQCKHINTFDVDCNNIMSTNLF---HCKDKNTFIYSRPEPVAKICKGIASKNV 80

QY 60 LSTRFOLNCTRTSITPRPCYPSSRRTETNYICVGCENQYVHFAGIGRC 109
DB 81 LTTSEFVLSDC---NVTSPCKYKLRKSTNFCVTCENQAPVHFVGVGHC 127

RESULT 12

US-09-948-391A-2
Sequence 2, Application US/09948391A
Publication No. US20030027311A1

GENERAL INFORMATION:

APPLICANT: Rybak, Susanna M.

APPLICANT: Newton, Dianne L.

APPLICANT: The United States of America

APPLICANT: as represented by The Secretary of the

APPLICANT: Department of Health and Human Services

TITLE OF INVENTION: Recombinant Anti-Tumor RNase

FILE REFERENCE: 015280-34311005

CURRENT APPLICATION NUMBER: US/09/948.391A

CURRENT FILING DATE: 2002-05-10

PRIOR APPLICATION NUMBER: US 60/079,751

PRIOR FILING DATE: 1998-03-27

PRIOR APPLICATION NUMBER: NO PCT/US99/06641

PRIOR FILING DATE: 1999-03-26

PRIOR APPLICATION NUMBER: US 09/622,613

PRIOR FILING DATE: 2000-08-17

NUMBER OF SEQ ID NOS: 43

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 2

LENGTH: 104

TYPE: PRT

ORGANISM: Rana pipiens

FEATURE:

OTHER INFORMATION: ribonuclease (RaplR1)

US-09-948-391A-2

Query Match 45.8%; Score 275.5; DB 9; Length 104;
Best Local Similarity 49.1%; Pred. No. 2.1e-23;
Matches 54; Conservative 15; Mismatches 32; Indels 9; Gaps 4;

QY 2 NWATFOCKHINT-PIICNTIMDNINIIYVGQCKRVNFTFISSATVYKAITGVY-NMNV 59
DB 2 DMLTFQCKHINTFDVDCNNIMSTNLF---HCKDKNTFIYSRPEPVAKICKGIASKNV 57

QY 60 LSTRFOLNCTRTSITPRPCYPSSRRTETNYICVGCENQYVHFAGIGRC 109
DB 58 LTTSEFVLSDC---NVTSPCKYKLRKSTNFCVTCENQAPVHFVGVGHC 104

RESULT 13

US-09-986-119-1
Sequence 1, Application US/09986119
Publication No. US20020187153A1

GENERAL INFORMATION:

APPLICANT: Rybak, Susanna M.

APPLICANT: Newton, Dianne L.

APPLICANT: Goldenberg, David M.

TITLE OF INVENTION: Immunotoxins Directed Against Malignant

NUMBER OF SEQUENCES: 3

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, Eighth Floor

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/986.119

FILING DATE: 07-NO. US20020187153A1-2001

CLASSIFICATION: <unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/071.672

FILING DATE: 01-MAY-1998

APPLICATION NUMBER: US 60/046,895

FILING DATE: 02-MAY-1997

ATTORNEY/AGENT INFORMATION:

NAME: Weber, Ellen Lauver

REGISTRATION NUMBER: 32,762

REFERENCE/DOCKET NUMBER: 015280-3251005

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 576-0200

TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 104 amino acids

TYPE: amino acid

STRANDEDNESS: <Unknown>

TOPOLOGY: linear

MOLECULE TYPE: protein

FEATURE:

NAME/KEY: Modified-site

LOCATION: 1

OTHER INFORMATION: /product= "OTHER"

/note= "Xaa = Glu or pyroglutamic acid"

SEQUENCE DESCRIPTION: SEQ ID NO: 1:

US-09-986-119-1

Query Match 45.3%; Score 272.5; DB 9; Length 104;
Best Local Similarity 49.1%; Pred. No. 4.5e-23;
Matches 54; Conservative 15; Mismatches 32; Indels 9; Gaps 4;

QY 2 NWATFOCKHINT-PIICNTIMDNINIIYVGQCKRVNFTFISSATVYKAITGVY-NMNV 59
DB 2 DMLTFQCKHINTFDVDCNNIMSTNLF---HCKDKNTFIYSRPEPVAKICKGIASKNV 57

QY 60 LSTRFOLNCTRTSITPRPCYPSSRRTETNYICVGCENQYVHFAGIGRC 109
DB 58 LTTSEFVLSDC---NVTSPCKYKLRKSTNFCVTCENQAPVHFVGVGSC 104

RESULT 14

US-10-153-882-2
Sequence 2, Application US/10153882
Publication No. US2003009629A1

GENERAL INFORMATION:

APPLICANT: GOLDENBERG, David M.

APPLICANT: HANSEN, Hans

APPLICANT: LEUNG, Shui-on

TITLE OF INVENTION: RECOMBINANT ONCONASE, AND CHEMICAL CONJUGATES AND

FILE REFERENCE: 018733/0913

CURRENT APPLICATION NUMBER: US/10/153.882

CURRENT FILING DATE: 2002-05-24

PRIOR APPLICATION NUMBER: US/09/265.901

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: PRIOR FILING DATE: 1999-03-11
: PRIOR APPLICATION NUMBER: US 60/077,557
: PRIOR FILING DATE: 1998-03-11
: NUMBER OF SEQ ID NOS: 12
: SOFTWARE: Patent Ver. 2.0
: SEQ ID NO 2
: LENGTH: 105
: TYPE: PRT
: ORGANISM: Rana pipiens
US-10-153-882-2

```

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Query Match      45.3%; Score 272.5; DB 9; Length 105;
Best Local Similarity 49.1%; Pred. No. 4.6e-23;
Matches 54; Conservative 15; Mismatches 32; Indels 9; Gaps 4;

```

```

OY      2  NMAFFQOKHINT--PIICNTIMDNNIYVGGCKRVNTFIISATTVKAICTGYI--NMNV 59
      Db      3  DMLTFQKKHINTTRVDCCDNIMSTNLF---HCKDKNTFIYSRPEPVAKICKGIASKNV 58
OY      60  LSTRFOLNCTRTSITPPPCPYSSRPTETNYICVGCENQYVPHFAGIGRC 109
      Db      59  LTTSEFYLSDC---NVTSRPCKYKRLKSTNKFCVTCENQAPVPHFVGSGC 105

```

```

RESULT 15
US-09-948-391A-4
: Sequence 4, Application US/09948391A
: Publication No. US20030027311A1
: GENERAL INFORMATION:
: APPLICANT: Rybak, Susanna M.
: APPLICANT: Newton, Dianne L.
: APPLICANT: The United States of America
: APPLICANT: as represented by The Secretary of the
: APPLICANT: Department of Health and Human Services
: TITLE OF INVENTION: Recombinant Anti-Tumor RNase
: FILE REFERENCE: 015280-343110US
: CURRENT APPLICATION NUMBER: US/09/948,391A
: PRIOR FILING DATE: 2002-05-10
: PRIOR APPLICATION NUMBER: US 60/079,751
: PRIOR FILING DATE: 1998-03-27
: PRIOR APPLICATION NUMBER: WO PCT/US99/06641
: PRIOR FILING DATE: 1999-03-26
: PRIOR APPLICATION NUMBER: US 09/622,613
: PRIOR FILING DATE: 2000-08-17
: NUMBER OF SEQ ID NOS: 43
: SOFTWARE: Patent Ver. 2.0
: SEQ ID NO 4
: LENGTH: 104
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
: OTHER INFORMATION: ribonuclease with Met23Ieu substitution
: OTHER INFORMATION: (recombinant RAPRI Met23Ieu)
US-09-948-391A-4

```

```

Query Match      45.0%; Score 270.5; DB 9; Length 104;
Best Local Similarity 48.2%; Pred. No. 7.6e-23;
Matches 53; Conservative 15; Mismatches 33; Indels 9; Gaps 4;

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OY      2  NMAFFQOKHINT--PIICNTIMDNNIYVGGCKRVNTFIISATTVKAICTGYI--NMNV 59
      Db      2  DMLTFQKKHINTTRVDCCDNIMSTNLF---HCKDKNTFIYSRPEPVAKICKGIASKNV 57
OY      60  LSTRFOLNCTRTSITPPPCPYSSRPTETNYICVGCENQYVPHFAGIGRC 109
      Db      58  LTTSEFYLSDC---NVTSRPCKYKRLKSTNKFCVTCENQAPVPHFVGSGC 104

```

Search completed: June 25, 2003, 15:42:19
 Job time : 18.4806 secs